BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

DASARAHALLI DIVISION

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

Pre Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 (Page No.139/ Item No. 18.19/ PWD SR 2018-19)						
	Dasara Halli						
					Present Qty	**0.00**	**Cum**

Assistant Engineer
Ward No.15
BBMP Bangalore

Asst. Executive Engineer,
T.Dasarahalli Sub - Division
BBMP Bangalore

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

Pre Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 143/ Item No. 19.1/ PWD SR 2018-19)						
	For RCC Drain						
	Kannada Kasturi Nagara						
	2nd Cross						
		1	30.00	1.10	1.00	33.00	
		1	1.50	1.10	1.00	1.65	
		1	4.80	1.10	1.00	5.28	
		1	30.00	1.10	1.00	33.00	
		1	7.30	1.10	1.00	8.03	
		1	30.00	1.10	1.00	33.00	
		1	24.00	1.10	1.00	26.40	
	3rd Cross						
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	16.30	1.10	1.00	17.93	
	1st Main KK Road						
		1	30.00	1.10	1.00	33.00	
		1	1.30	1.10	1.00	1.43	
		1	4.20	1.10	1.00	4.62	
		1	19.80	1.10	1.00	21.78	
	Standard School Road						
		1	30.00	1.10	1.00	33.00	
		1	22.20	1.10	1.00	24.42	
					Present Qty	**408.54**	**Cum**

09/12/19

Assistant Engineer
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BBMP Bangalore

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Pre Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 pwd 2018-19)						
	For RCC Drain						
	Kannada Kasturi Nagara						
	2nd Cross						
		1	30.00	1.10	0.10	3.30	
		1	1.50	1.10	0.10	0.17	
		1	4.80	1.10	0.10	0.53	
		1	30.00	1.10	0.10	3.30	
		1	7.30	1.10	0.10	0.80	
		1	30.00	1.10	0.10	3.30	
		1	24.00	1.10	0.10	2.64	
	3rd Cross						
		1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.10	3.30	
		1	30.00	1.10	0.10	3.30	
		1	30.00	1.10	0.10	3.30	
		1	16.30	1.10	0.10	1.79	
	1st Main KK Road						
		1	30.00	1.10	0.10	3.30	
		1	1.30	1.10	0.10	0.14	
		1	4.20	1.10	0.10	0.46	
		1	19.80	1.10	0.10	2.18	

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EXECUTIVE ENGINE
Bruhat Bengaluru Mahangara P
Dasarahalli Division, Bengalu

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Standard School Road						
		1	30.00	1.10	0.10	3.30	
		1	22.20	1.10	0.15	3.66	
					Present Qty	**43.73**	**Cum**
					Qty Limited to	**42.96**	**Cum**

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13/01/2020

Assistant Engineer
Ward No.15
BBMP Bangalore

Asst. Executive Engineer,
T.Dasarahalli Sub - Division
BBMP Bangalore

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

Pre Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	D1	D2	Depth	Qty	Unit
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 PWD SR 2018-19)								
	Bottom Raft For RCC Drain								
	Kannada Kasturi Nagara								
	2nd Cross								
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	1.50	0.90	0.15	0.15	0.15	0.20	
		1	4.80	0.90	0.15	0.15	0.15	0.65	
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	7.30	0.90	0.15	0.15	0.15	0.99	
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	24.00	0.90	0.15	0.15	0.15	3.24	
	3rd Cross								
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	16.30	0.90	0.15	0.15	0.15	2.20	
	1st Main KK Road								
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	1.30	0.90	0.15	0.15	0.15	0.18	
		1	4.20	0.90	0.15	0.15	0.15	0.57	
		1	19.80	0.90	0.15	0.15	0.15	2.67	
	Standard School								
		1	30.00	0.90	0.15	0.15	0.15	4.05	
		1	22.20	0.90	0.15	0.15	0.15	3.00	
	RCC Wall								
	Kannada Kasturi Nagara								
	2nd Cross								
		2	30.00	0.15	0.60	0.60	0.60	5.40	
		2	1.50	0.15	0.60	0.60	0.60	0.27	
		2	4.80	0.15	0.60	0.65	0.63	0.90	
		2	30.00	0.15	0.65	0.70	0.68	6.08	
		2	7.30	0.15	1.00	1.00	1.00	2.19	
		2	30.00	0.15	1.00	0.65	0.83	7.48	
		2	24.00	0.15	0.65	0.60	0.63	4.50	
	3rd Cross								
		2	30.00	0.15	0.55	0.60	0.58	5.18	

Measurements continued, 22.01.2020.

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahangara
Dasarahalli Division, Bengaluru

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Item No	Discription of Item	No	Length	Breadth	D1	D2	Depth	Qty	Unit
		2	30.00	0.15	0.60	0.62	0.61	5.49	
		2	30.00	0.15	0.62	0.60	0.61	5.49	
		2	30.00	0.15	0.60	0.55	0.58	5.18	
		2	16.30	0.15	0.55	0.60	0.58	2.81	
	1st Main KK Road								
		2	30.00	0.15	0.90	0.90	0.90	8.10	
		2	1.30	0.15	0.90	0.90	0.90	0.35	
		2	4.20	0.15	1.00	1.00	1.00	1.26	
		2	19.80	0.15	0.55	0.65	0.60	3.56	
	Standard School Road								
		2	30.00	0.15	0.55	0.55	0.55	4.05	
		2	22.20	0.15	0.55	0.60	0.58	3.83	
	Deck Slab								
	Standard School Road								
		1	4.30	1.00	0.20	0.20	0.20	0.86	
		1	7.00	1.00	0.20	0.20	0.20	1.40	
							Present Qty	**125.36**	**Cum**

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ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

24/1/2020

Assistant Engineer
Ward No.15
BBMP Bangalore

Asst. Executive Engineer,
T.Dasarahalli Sub - Division
BBMP Bangalore

EXECUTIVE ENG
Bruhat Bengaluru Mahar
Dasarahalli Division, B

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

Detailed Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	Supplying and Fixing pre cast Reinforced Concrete Slab 10cm thick, including cost of reinforcement as per design and drawing,materials cost,transportation,hire charges of machinery,machine cutting the verticle face to get plain even surface etc...complete with all leads and lift conveyance charges,labour charges,inclusive of cost of all materials (Data Rate)						
	For RCC Drain						
	Kannada Kasturi Nagara						
	2nd Cross						
		1	30.00	0.90		27.00	
		1	1.50	0.90		1.35	
		1	4.80	0.90		4.32	
		1	30.00	0.90		27.00	
		1	7.30	0.90		6.57	
		1	30.00	0.90		27.00	
		1	24.00	0.90		21.60	
	3rd Cross						
	Chainage: 0.00-30.00	1	30.00	0.90		27.00	
	Chainage: 30.00-60.00	1	28.00	0.90		25.20	
	Chainage: 60.00-90.00	1	22.60	0.90		20.34	
	Chainage: 90.00-120.00	1	20.00	0.90		18.00	
	Chainage: 120.00-136.30	1	25.00	0.90		22.50	
	1st Main KK Road						
		1	30.00	0.90		27.00	
		1	1.30	0.90		1.17	
		1	4.20	0.90		3.78	
		1	19.80	0.75		14.85	
	Standard School Road						
	Chainage: 0.00-30.00	1	30.00	0.90		27.00	
	Chainage: 30.00-52.20	1	10.90	0.90		9.81	
					Present Qty	**311.49**	**Sqm**

Assistant Engineer
Ward No.15

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ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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ಬೆಂಗಳೂರು 560073.

Asst. Executive Engineer,
T.Dasarahalli Sub - Division

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15

Pre Measurements

Measurement Recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3- TMT bars Fe 500`(PW,P& IWTD SR 2016-17, Pg No 17 Item No.4.46.2)						
	Kannada Kasturi Nagara						
	2nd Cross						
	Total Drain length=127.60 m						
	Main bar 10mm dia bar						
	0.617kg/mtr						
	No of U-bar=1280.00Nos	1280	2.30		0.617	1816.45	
	Distribution bar						
	Distribution bar 8mm dia						
	0.395kg/mtr	22	127.60		0.395	1108.84	
	3rd Cross						
	Total Drain length=136.30 m						
	Main bar 10mm dia bar						
	0.617kg/mtr						
	No of U-bar=1370.00Nos	1370	2.30		0.617	1944.17	
	Distribution bar						
	Distribution bar 8mm dia						
	0.395kg/mtr	22	136.30		0.395	1184.45	
	1st Main KK Road						
	Total Drain length=55.30 m						
	Main bar 10mm dia bar						
	0.617kg/mtr						
	No of U-bar=560.00Nos	560	2.30		0.617	794.70	
	Distribution bar						
	Distribution bar 8mm dia						
	0.395kg/mtr	22	55.30		0.395	480.56	
	Standard School						
	Total Drain length=52.20 m						
	Main bar 10mm dia bar						
	0.617kg/mtr						
	No of U-bar=530.00Nos	530	2.30		0.617	752.12	
	Distribution bar						
	Distribution bar 8mm dia						
	0.395kg/mtr	22	52.20		0.395	453.62	
	For Deck Slab						
	Total Drain length=4.30m						
	Main bar						

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Main bar 12mm dia bar						
	0.89kg/mtr						
	Top	34	0.90		0.89	27.55	
	Bottom	34	0.90		0.89	27.55	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr						
	Top	7	4.30		0.61	18.89	
	Bottom	7	4.30		0.61	18.89	
	Total Drain length=7.00m						
	Main bar						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	Top	56	1.00		0.89	49.84	
	Bottom	56	1.00		0.89	49.84	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr						
	Top	8	7.00		0.61	34.16	
	Bottom	8	7.00		0.61	34.16	
					Present Qty	**8795.78**	**Kg**
					Present Qty	**8.80**	**Tonne**

16/01/20

Assistant Engineer
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16/01

Asst. Executive Engineer,
T.Dasarahalli Sub - Division
BBMP Bangalore

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Name of work:Improvements of CC drains & Covering Slab KK road 2nd and 3rd cross Dasarahalli Ward No-15							
Pre Measurements							
Measurement Recorded on:							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work,lead 4km a) basic rate for haulage of materials as per item No.17.4/KSRRB:M100-4.1...RS.2.00 Tonne/km b)average earth of work 1.28 tonne/km for Rs.2.00/km. c)Add Loading and Unloading Page No.136,Item No.17.1 PWD SR 2018-19						
			Same As Per Vide SL No.2			408.54	
					Present Qty	**408.54**	**Cum**

28/1/2020
Assistant Engineer
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Asst. Executive Engineer, 28/1/20
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